

Date: Fri, 26 Nov 93 04:30:26 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #113
To: Ham-Equip

Ham-Equip Digest Fri, 26 Nov 93 Volume 93 : Issue 113

Today's Topics:

Alkaline vs Nicad operating time
 Ameritron 811
 APT interface for PC
 CMOS Super Keyer II (2 msgs)
 icoms on construction job
 Indestructable HTs? (3 msgs)
 Type Accepted ham HT'

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>

Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 23 Nov 1993 18:29:48 GMT
From: telesoft!garym@uunet.uu.net
Subject: Alkaline vs Nicad operating time
To: ham-equip@ucsd.edu

In a recent thread there was some discussion about the usefulness of AA packs
with Alkaline batteryys for use in HT's. Especially for backup/disaster work,
since Alkalines have a longer shelf life than a charged nicad pack and
operate longer before it has to be replaced/recharged. I can't find the
thread now but I found some interesting info in my FT-470 user manual (a
Yaesu 2M/440 HT) to add tho this.

The book gives a chart of battery charge life under a specified set of
conditions. The interesting thing is the relative life of the Nicad packs,
and AA packs with Alkaline or Manganese batteries. From the chart you can
estimate the milliamp-hour rating of Alkaline and Manganese batteries.

	Battery Model	Charge Life
	-----	-----
AA Pack:	6 AA Alkalines	17 hrs (about 2000 mAh)
	6 AA Manganese	5.8 hrs (about 700 mAh)
7.2v Ni-Cd Pack (200 mAh)		1.6 hrs
7.2v Ni-Cd Pack (600 mAh)		5 hrs
7.2v Ni-Cd Pack (1000 mAh)		11 hrs

Using their ratings for the various packs (excluding the 1000 mAh pack) we can estimate that the Manganese batteries have a rating of around 700 mAh and that the Alkaline batteries have a rating of around 2000 mAh. The life of their 1000 mAh pack seems too long compared to the other packs.

I would expect these ratings to vary with various brands of Alkaline batteries. Has anyone done any tests to measure mAh rating of various AA batteries?

--GaryM
--

Gary Morris KK6YB Internet: garym@alsys.com
San Diego, CA USA Phone: +1 619-457-2700 x128 (work)

Date: 25 Nov 1993 14:46:35 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!pipex!sunic!
ugle.unit.no!stud.unit.no!kenneth@network.ucsd.edu
Subject: Ameritron 811
To: ham-equip@ucsd.edu

Anyone out there having comments on the Ameritron 811 PA, compared to other types ?

thanks in advance.

Kenneth.

Date: Sun, 21 Nov 93 20:53:22 GMT
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!
pipex!uknet!EU.net!sun4nl!bsoatr!bsdihi!dihi@network.ucsd.edu
Subject: APT interface for PC
To: ham-equip@ucsd.edu

Try using the beautifull JVFX software (shareware). It is capable of receiving all kinds of FAX and SSTV modes. I build my interface around

an 741 chip for less than \$1 !!!!.

I am able to receive all kind of nice WX pictures, and even send and receive color SSTV!!

The JVFAX software is written by DK7JV, and is downloadable from a lot of BBS'es.

Have fun!

Dick Hissink PA3DSP

Email:dihi@bsdihi.atr.bso.nl

Date: Thu, 18 Nov 1993 19:59:45 GMT

From: hearst.acc.Virginia.EDU!murdoch!hopper!porter@uunet.uu.net

Subject: CMOS Super Keyer II

To: ham-equip@ucsd.edu

>A friend of mine let me borrow his "CMOS Super Keyer II",

>and I like it very much. Where can I buy one of these?

>

>The feature list sounds identical to the Logikey unit (that

>HRO sells for about \$120). Are these the same design? Any

>comments about either of these units?

After I RTFM, I found that the unit I was using was the kit version, and it *is* identical to Logikey's model K-1.

Alan Porter work: (804) 978-5764 alan.porter@cho.ge.com

KD4DNU/AA home: (804) 973-ALAN big@catt.ncsu.edu

Date: Fri, 19 Nov 1993 18:39:14 GMT

From: hearst.acc.Virginia.EDU!murdoch!hopper!porter@uunet.uu.net

Subject: CMOS Super Keyer II

To: ham-equip@ucsd.edu

> After I RTFM, I found that the unit I was using was the kit version,

> and it *is* identical to Logikey's model K-1.

I called Jeffrey Russell (KC0Q), one of the makers of the keyer kit.

He told me that the CMOS Super Keyer II is a kit. The Logikey K-1

is an assembled unit. The Super Keyer can be ordered from Idiom

Press, Box 583, Deerfield IL 60015 for \$48 (postage pre-paid).

Why do I feel like I am having a conversation with myself? :-)

Alan Porter work: (804) 978-5764 alan.porter@cho.ge.com
KD4DNU/AA home: (804) 973-ALAN big@catt.ncsu.edu

Date: Thu, 25 Nov 93 20:25:56 GMT
From: mnemosyne.cs.du.edu!nyx10!rchalk@uunet.uu.net
Subject: icoms on construction job
To: ham-equip@ucsd.edu

brian.oakley@pubcon.fort-worth.tx.us (BRIAN OAKLEY) writes:

>did you check out which band the icoms were transmitting in? icom makes
>radios that are type accepted for business use, marine use, aviation,
>etc. not just ham. fyi 73. wb5kxw

I've seen RS handhelds used by Chaperones at a High-school Band Competition.

I asked about licenses, and they said "What licenses?" I have also heard of Race Car drivers using them. RS makes no real effort to control this.

Date: Wed, 24 Nov 93 20:12:40 GMT
From: mnemosyne.cs.du.edu!nyx10!dsharp@uunet.uu.net
Subject: Indestructable HTs?
To: ham-equip@ucsd.edu

kharker@bnr.ca (Kenneth E. Harker) writes:

> I am wondering about something... what's the most "indestructable"
>HT available? Is there one that could withstand not just being dropped,
>but being dropped and rolling down a steep, rocky trail? Or being in
>the vest pocket of a ski jacket when you crash and burn and land on top
>of it? Something as rugged as most camping flashlights for example? Are
>there any HTs that are really waterproof? Like if you dropped them in a
>stream or in a bank of wet snow, they would still work? How about an

I have an Icom IC-24AT Dualband HT, I don't know just how indestructable it might be if I dropped it, but one my cats did knock it into a cooler of water while it was powered up and monitoring a local repeater. It did die from the immersion, but I opened it up, dried it out under a fan for a couple days, reset the CPU, it it worked like new! Says a lot for the short-protection circuitry Icom puts in there.

ZZ

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Dave Sharp, NU8H          | "Eagles may soar, but weasels
Dayton, Ohio             | don't get sucked into jet engines"
Email: dsharp@nyx.cs.du.edu | -Unknown
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Date: 23 Nov 1993 15:40:55 -0600
From: concert!corpgate!crchh327.bnr.ca!kharker@decwrl.dec.com
Subject: Indestructable HTs?
To: ham-equip@ucsd.edu

I am wondering about something... what's the most "indestructable" HT available? Is there one that could withstand not just being dropped, but being dropped and rolling down a steep, rocky trail? Or being in the vest pocket of a ski jacket when you crash and burn and land on top of it? Something as rugged as most camping flashlights for example? Are there any HTs that are really waterproof? Like if you dropped them in a stream or in a bank of wet snow, they would still work? How about an HT that would operate in temperatures from -10c to 40c?

If this "dream" HT doesn't exist, what's the closest to it? Are there things that can be done to "ruggedize" existing units?

I'm not a terribly active outdoors type, but I would like to be able to take an HT along with me on camping or skiing trips and not have to worry about anything except how much battery life I have...

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=====
Kenneth E. Harker          BNR          "Any opinions expressed
kharker@bnr.ca            Richardson, Texas, USA    are solely mine and do
N1PVB                     (214) 684-5115    not represent BNR"
=====
```

Date: Wed, 24 Nov 1993 00:14:02 GMT
From: world!dts@uunet.uu.net
Subject: Indestructable HTs?
To: ham-equip@ucsd.edu

In article <2cu017\$f5o@crchh941.bnr.ca> kharker@bnr.ca (Kenneth E. Harker) writes:
>

> I am wondering about something... what's the most "indestructable"
> HT available? Is there one that could withstand not just being dropped,
> but being dropped and rolling down a steep, rocky trail? Or being in
> the vest pocket of a ski jacket when you crash and burn and land on top
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> I'm not a terribly active outdoors type, but I would like to be able
>to take an HT along with me on camping or skiing trips and not have to
>worry about anything except how much battery life I have...
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The Icom 2GAT is the toughest radio targetted at the ham market that I know of. Some of the Motorola stuff is likely tougher, but are not directly setttable like a ham HT (i.e. you need a computer to program the commercial gear).

— —

Daniel Senie	Internet:	dts@world.std.com
Daniel Senie Consulting		n1jeb@world.std.com
508-365-5352	Compuserve:	74176,1347

Date: 25 Nov 93 01:42:37 GMT
From: ogicse!cs.uoregon.edu!sgiblab!spool.mu.edu!agate!iat.holonet.net!
pubcon.fort-worth.tx@network.ucsd.edu
Subject: Type Accepted ham HT'
To: ham-equip@ucsd.edu

i hesitate to agree with your answer without further qualifications. the fcc type accepts a radio by testing the radio and what it can and cannot do. if the radio can cover frequencies including a ham band, and they give it type acceptance, it is type accepted for its intent. just because one uses ham frequencies in the radio does not make it non-type accepted. it is still type accepted for the commercial frequencies it uses because it meets the criteria the fcc set down for type acceptance. please enlighten me of you opinion. b. wb5kxw

Date: Mon, 22 Nov 1993 22:41:31 GMT
From: munnari.oz.au!spool.mu.edu!howland.reston.ans.net!cs.utexas.edu!swrinde!
dptspd!TAMUTS.TAMU.EDU!TAYLOR.TAMU.EDU!gtaylor@network.ucsd.edu
To: ham-equip@ucsd.edu

References <1993Nov21.110946.330@sfpp.com>,
<1993Nov22.163942.23514@ke4zv.atl.ga.us>, <2cr82m\$etu@oak.oakland.edu>
Subject : Re: Best 2m handheld?

Greg
Greg Taylor, KD4HZ // g-taylor4@tamu.edu // 409-845-4445 // Fax-847-8744

References <CFoJ0J.973@alsys.com>, <CGpqKs.Gwr@alsys.com>,
<CGqnLn.Gpv@news.iastate.edu>s.ias
Subject : Re: Problems with Kenwood TM-742A

You forgot to mention how much better the mounting hardware with the Yaesu was! :) More flexible, allowed mounting in more strange places. Both the head unit, and trunk unit are easily removable without tools. The unit did not require a duplexer, and was smaller. The instructions for mounting were much better.

Steven M. Knapp	Computer Engineering Senior
sknapp@iastate.edu	Vice President Cyclone Amateur Radio Club
Iowa State University; Ames, IA; USA	Durham Center Operations Staff

